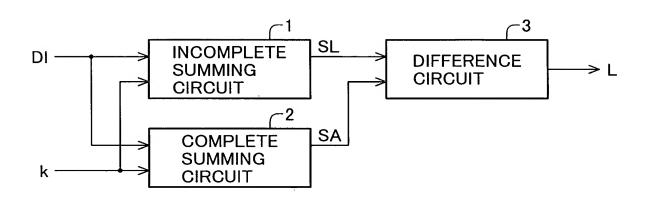
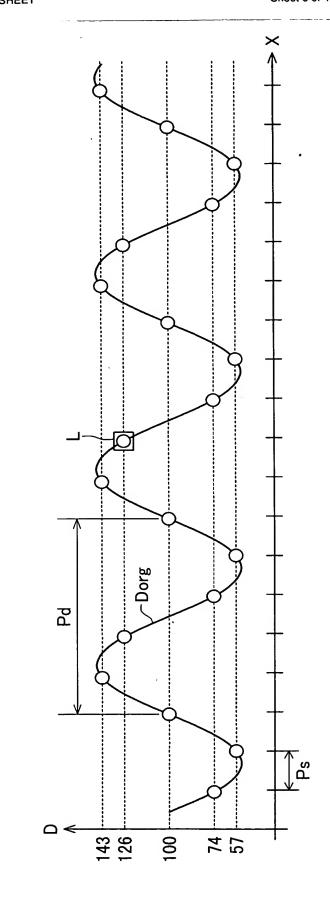
App No.: NEW Docket No.: 1190-0625PUS1
Inventor: Satoshi YAMANAKA et al.
Title: MEAN PRESERVING INTERPOLATION CALCULATION CIRCUIT,
PIXEL INTERPOLATION CIRCUIT, MEAN PRESERVING
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FIG.1



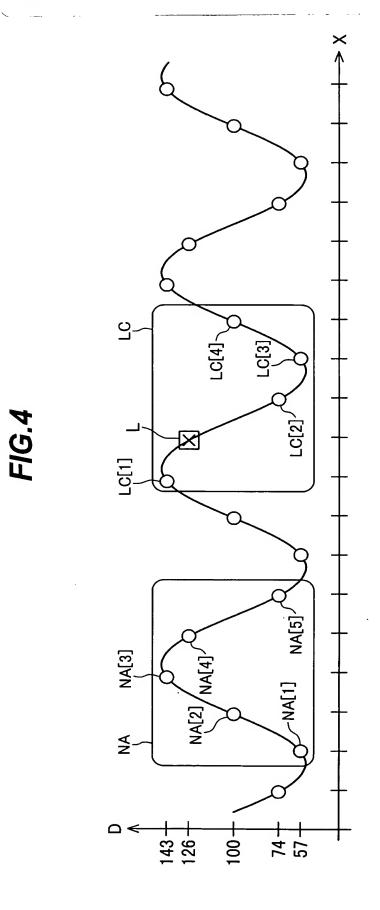
App No.: NEW Docket No.: 1190-0625PUS1
Inventor: Satoshi YAMANAKA et al.
Title: MEAN PRESERVING INTERPOLATION CALCULATION CIRCUIT,
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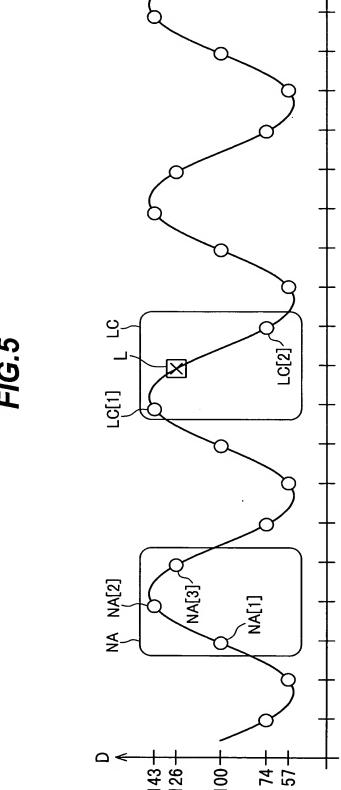
FIG. 2



F/G.3

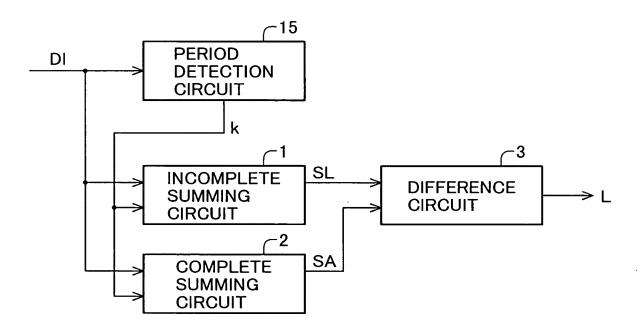
App No.: NEW Docket No.: 1190-0625PUS1 Inventor: Satoshi YAMANAKA et al.
Title: MEAN PRESERVING INTERPOLATION CALCULATION CIRCUIT, PIXEL INTERPOLATION CIRCUIT, MEAN PRESERVING INTERPOLATION METHOD, AND PIXEL INTERPOLATION METHOD NEW SHEET Sheet 4 of 44 Docket No.: 1190-0625PUS1





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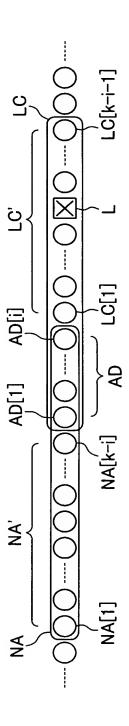
FIG.6

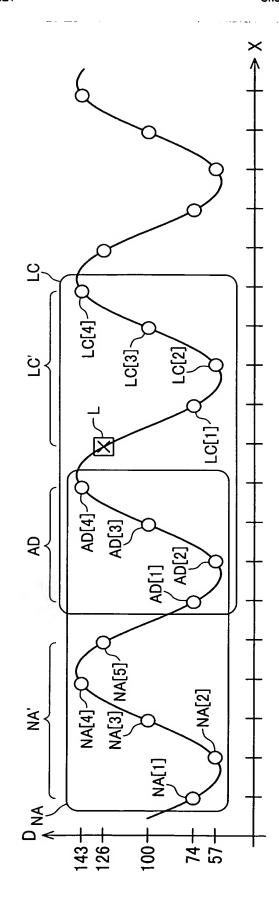


App No.: NEW Docket No.: 1190-0625PUS1

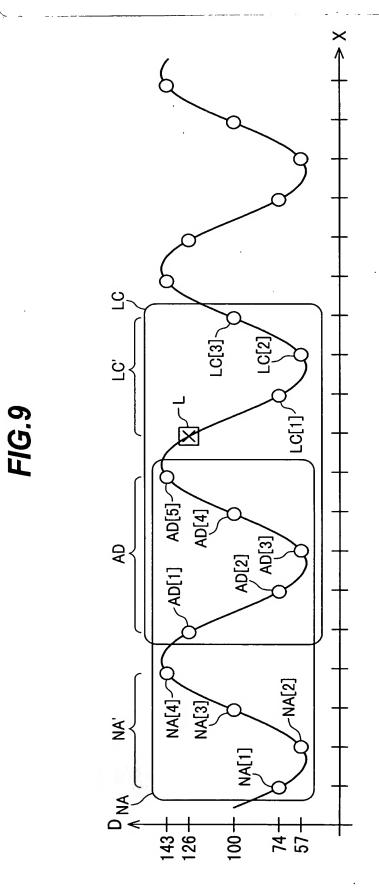
App No.: NEW Docket No.: 1190-0625PU Inventor: Satoshi YAMANAKA et al.

Title: MEAN PRESERVING INTERPOLATION CALCULATION CIRCUIT, PIXEL INTERPOLATION CIRCUIT, MEAN PRESERVING INTERPOLATION METHOD, AND PIXEL INTERPOLATION METHOD NEW SHEET Sheet 7 of Sheet 7 of 44



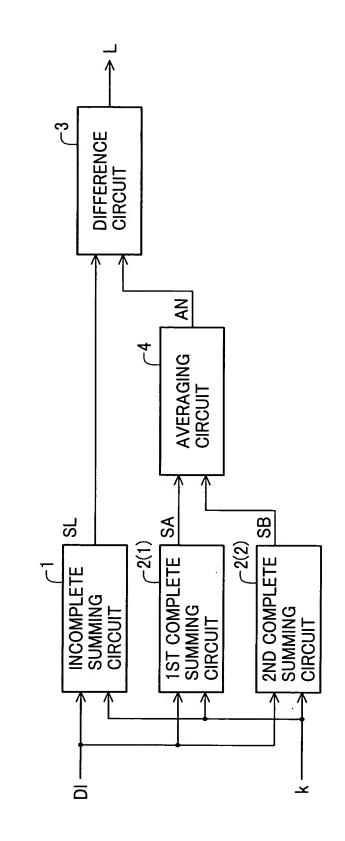


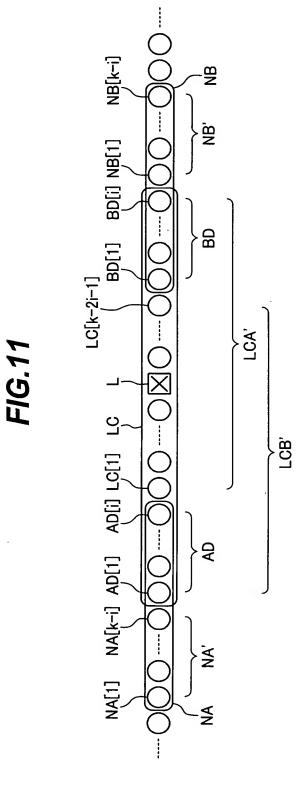
F/G.8



Inventor: Satoshi YAMANAKA et al.

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Inventor: Satoshi YAMANAKA et al.
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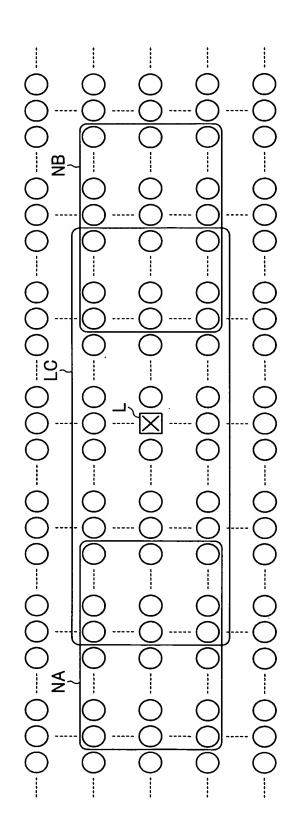
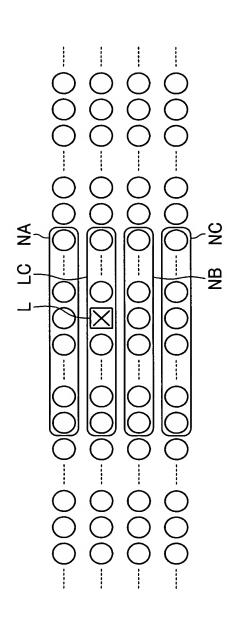


FIG.13



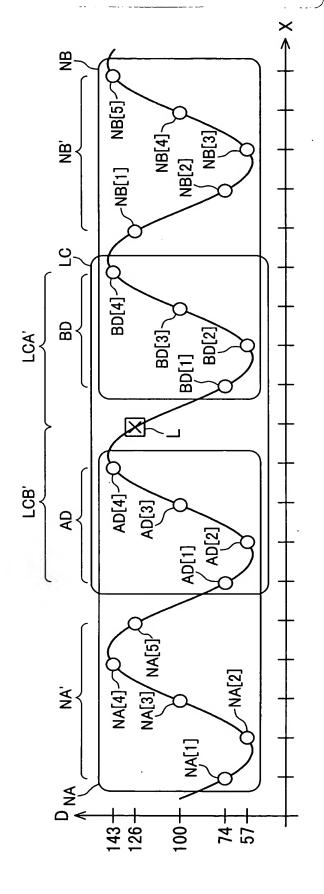
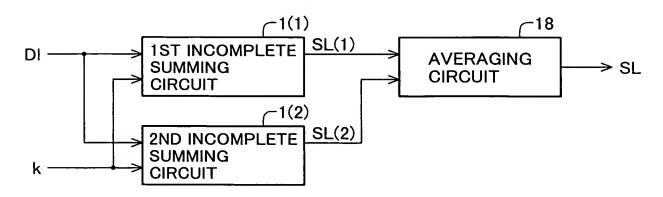


FIG. 14

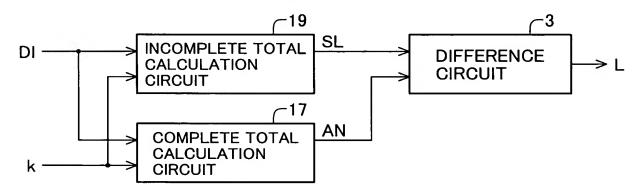
App No.: NEW Docket No.: 1190-0625PUS1 Inventor: Satoshi YAMANAKA et al.

Title: MEAN PRESERVING INTERPOLATION CALCULATION CIRCUIT, PIXEL INTERPOLATION CIRCUIT, MEAN PRESERVING INTERPOLATION METHOD, AND PIXEL INTERPOLATION METHOD NEW SHEET Sheet 15 of 44

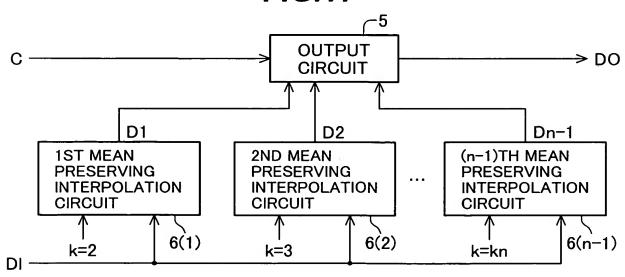
## **FIG.15**



### **FIG.16**

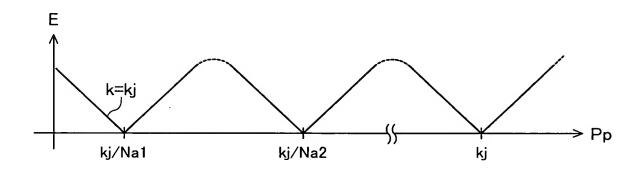


**FIG.17** 

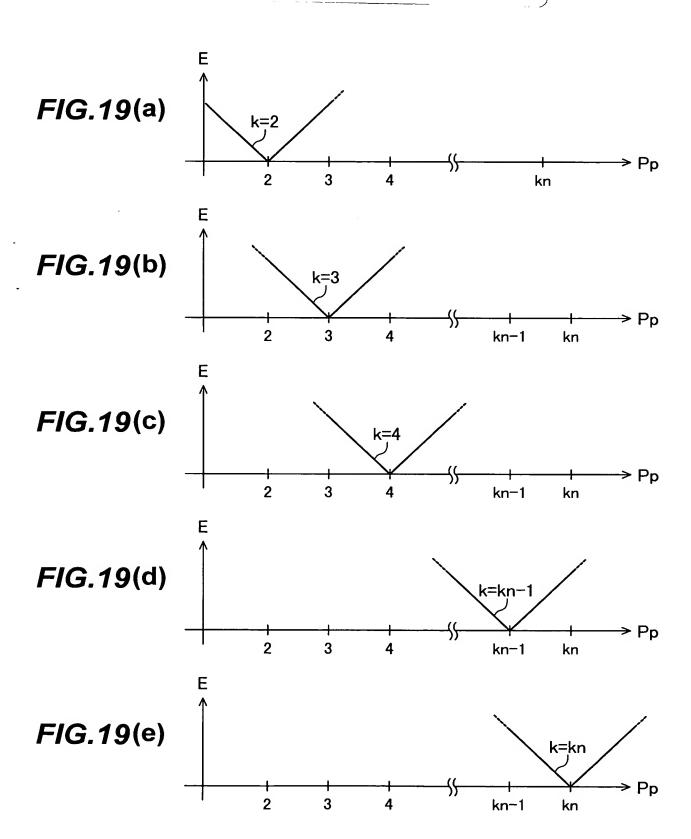


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**FIG.18** 



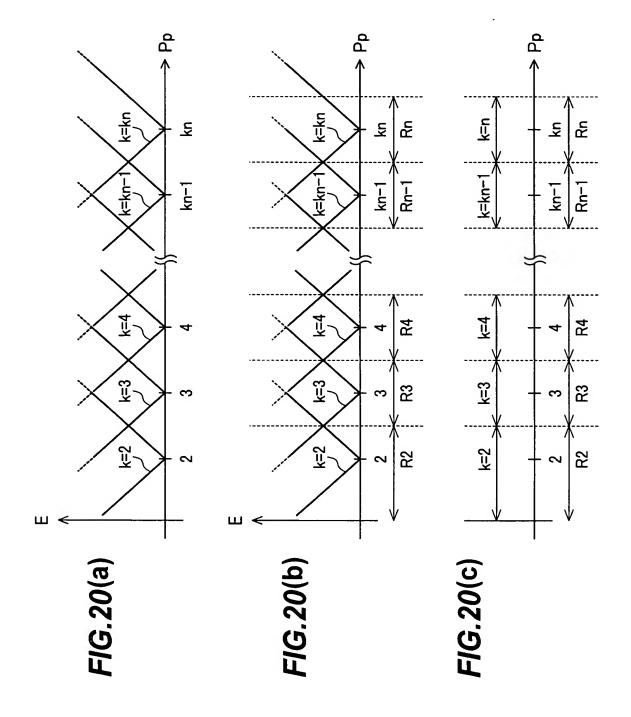
App No.: NEW Docket No.: 1190-0625PUS1
Inventor: Satoshi YAMANAKA et al.
Title: MEAN PRESERVING INTERPOLATION CALCULATION CIRCUIT,
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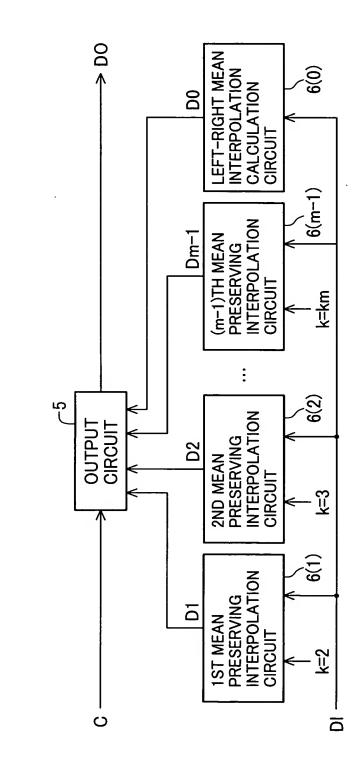
Docket No.: 1190-0625PUS1 App No.: NEW Inventor: Satoshi YAMANAKA et al.

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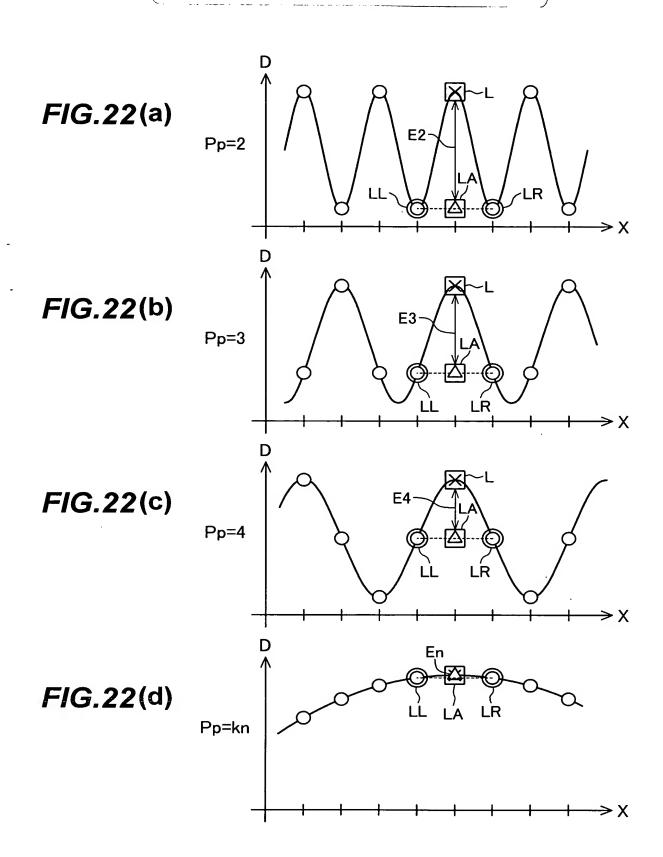






**-16.21** 

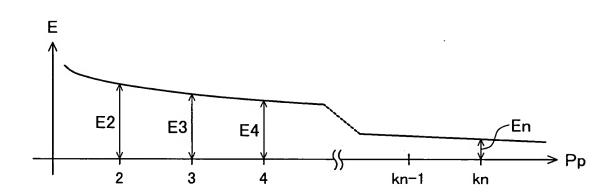
App No.: NEW Docket No.: 1190-0625PUS1
Inventor: Satoshi YAMANAKA et al.
Title: MEAN PRESERVING INTERPOLATION CALCULATION CIRCUIT,
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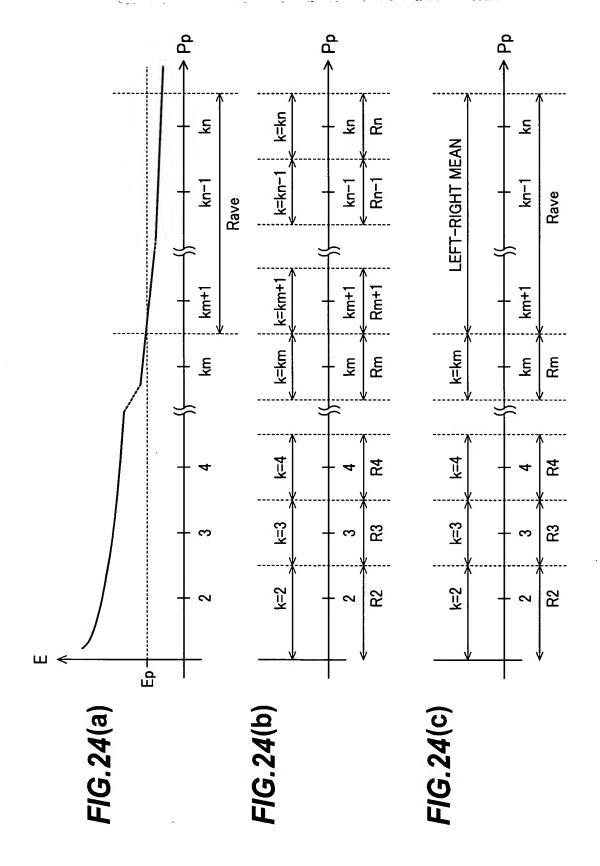
App No.: NEW Docket No.: 1190-0625PUS1 Inventor: Satoshi YAMANAKA et al.

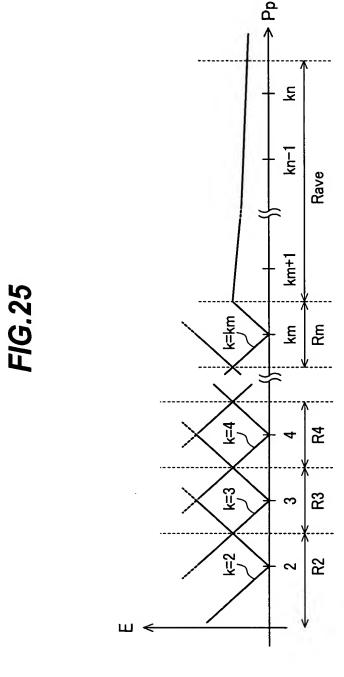
Title: MEAN PRESERVING INTERPOLATION CALCULATION CIRCUIT, PIXEL INTERPOLATION CIRCUIT, MEAN PRESERVING INTERPOLATION METHOD, AND PIXEL INTERPOLATION METHOD NEW SHEET Sheet 21 of 44

**FIG.23** 

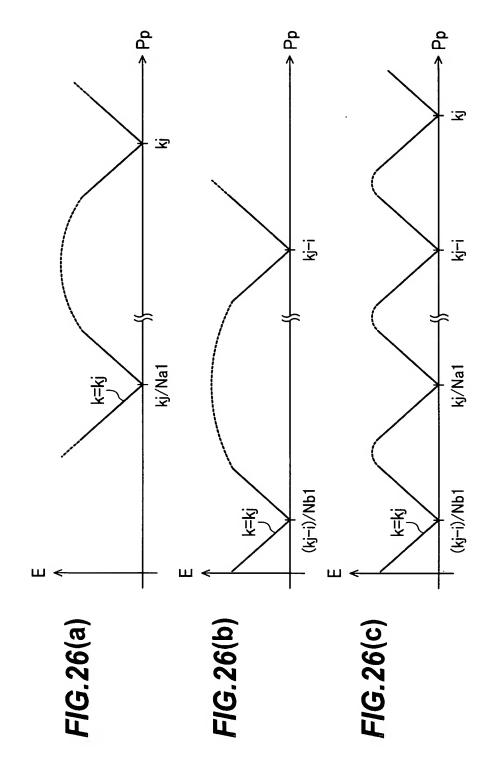


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Title: MEAN PRESERVING INTERPOLATION CALCULATION CIRCUIT,
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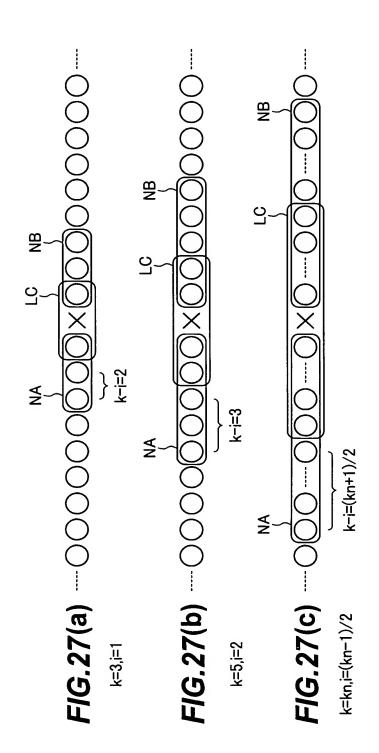


App No.: NEW Docket No.: 1190-0625PUS1
Inventor: Satoshi YAMANAKA et al.
Title: MEAN PRESERVING INTERPOLATION CALCULATION CIRCUIT,
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INTERPOLATION METHOD, AND PIXEL INTERPOLATION METHOD
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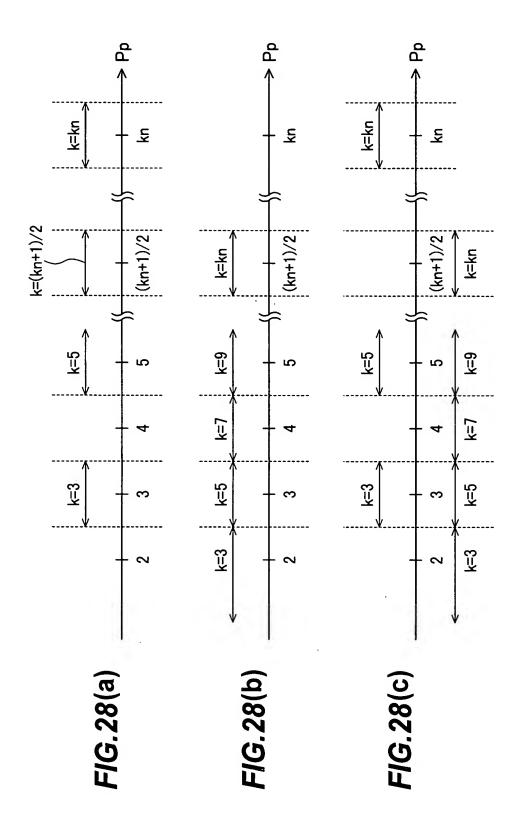


App No.: NEW Docket No.: 1190-0625PU
Inventor: Satoshi YAMANAKA et al.
Title: MEAN PRESERVING INTERPOLATION CALCULATION CIRCUIT,
PIXEL INTERPOLATION CIRCUIT, MEAN PRESERVING
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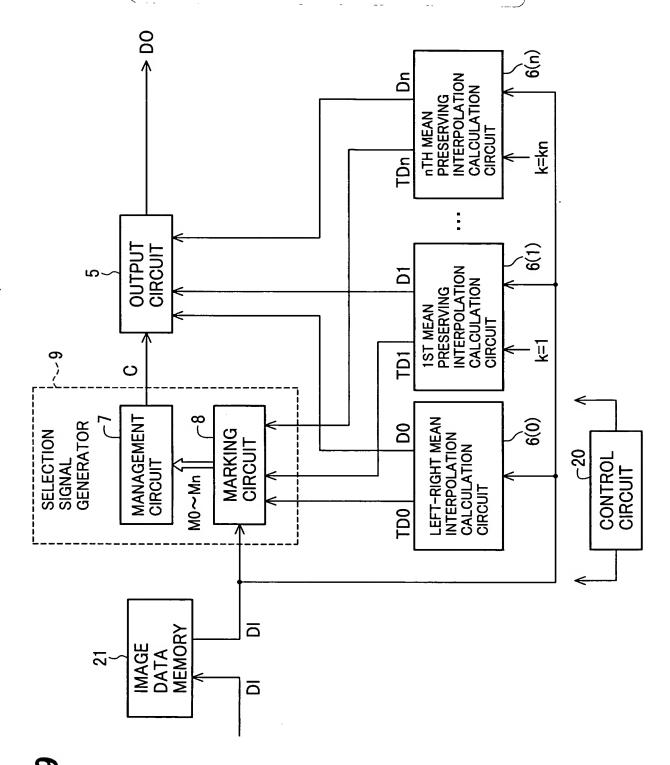


FIG. 29

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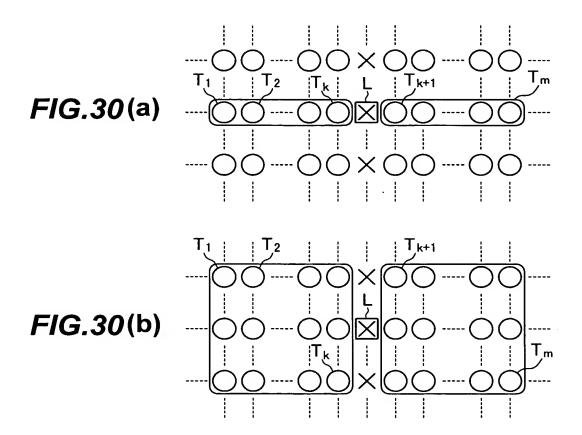


FIG.31

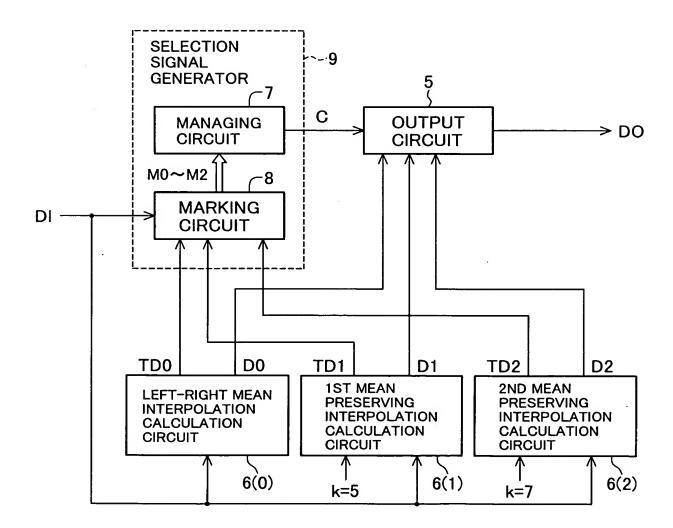
	T <sub>1</sub>	T <sub>2</sub>	 T <sub>m</sub>
LEFT-RIGHT MEAN INTERPOLATION CALCULATION CIRCUIT	M0[T <sub>1</sub> ]	M0[T <sub>2</sub> ]	 M0[T <sub>m</sub> ]
1ST MEAN PRESERVING INTERPOLATION CALCULATION CIRCUIT	M1[T <sub>1</sub> ]	M1[T <sub>2</sub> ]	 M1[T <sub>m</sub> ]
nTH MEAN PRESERVING INTERPOLATION CALCULATION CIRCUIT	Mn[T <sub>1</sub> ]	Mn[T <sub>2</sub> ]	 Mn[T <sub>m</sub> ]

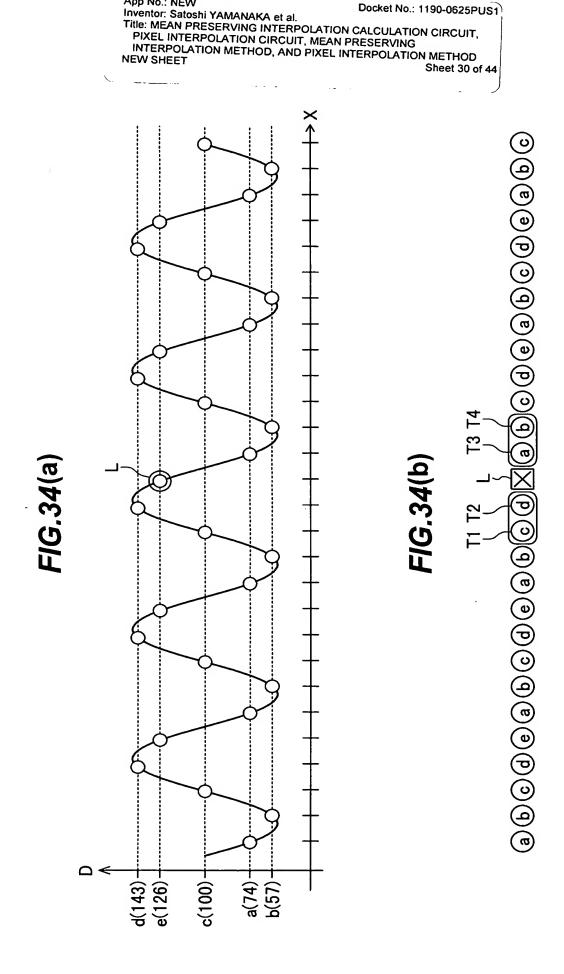
App No.: NEW Docket No.: 1190-0625PUS1
Inventor: Satoshi YAMANAKA et al.
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FIG.32

LEFT-RIGHT MEAN INTERPOLATION CALCULATION CIRCUIT	S0
1ST MEAN PRESERVING INTERPOLATION CALCULATION CIRCUIT	S1
nTH MEAN PRESERVING INTERPOLATION CALCULATION CIRCUIT	Sn

**FIG.33** 



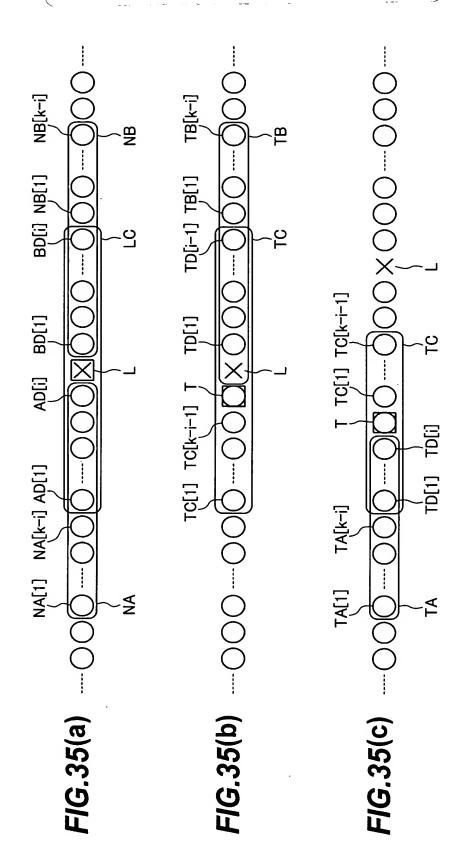


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FIG.36(a)  $\times$  abcdeab

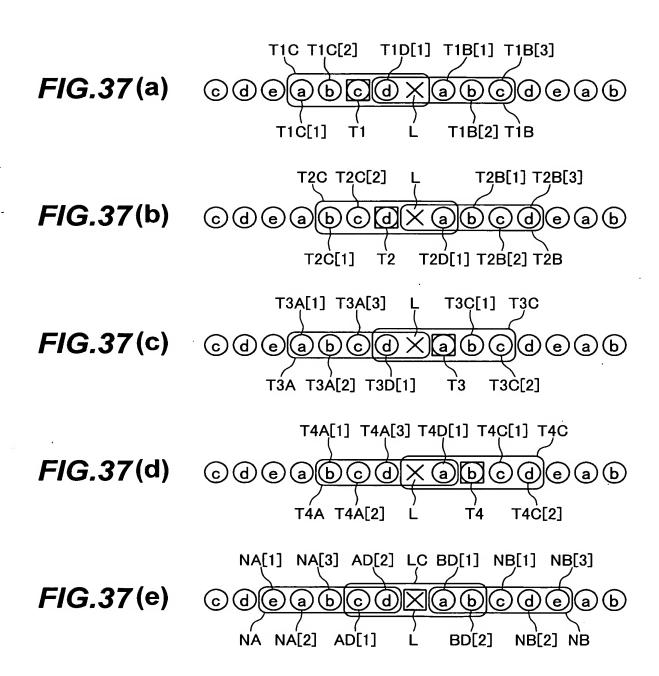
T2L T2 FIG.36(b) 

T<sub>3</sub>L T3R FIG.36(c) © de a b odeab

T4L T4 T4R FIG.36(d)  $\bigcirc$  deab $\bigcirc$   $\bigcirc$   $\times$ 

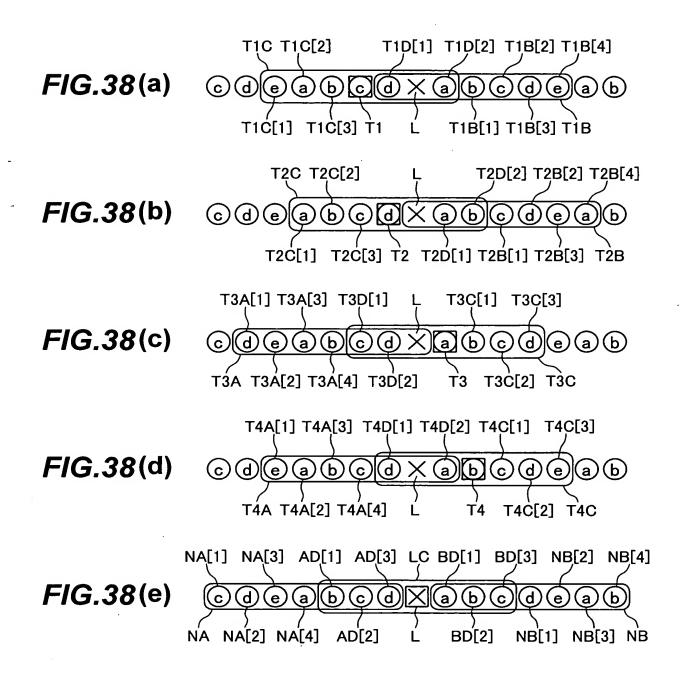
FIG.36(e)  App No.: NEW Docket No.: 1190-0625PUS1 Inventor: Satoshi YAMANAKA et al.

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Inventor: Satoshi YAMANAKA et al.

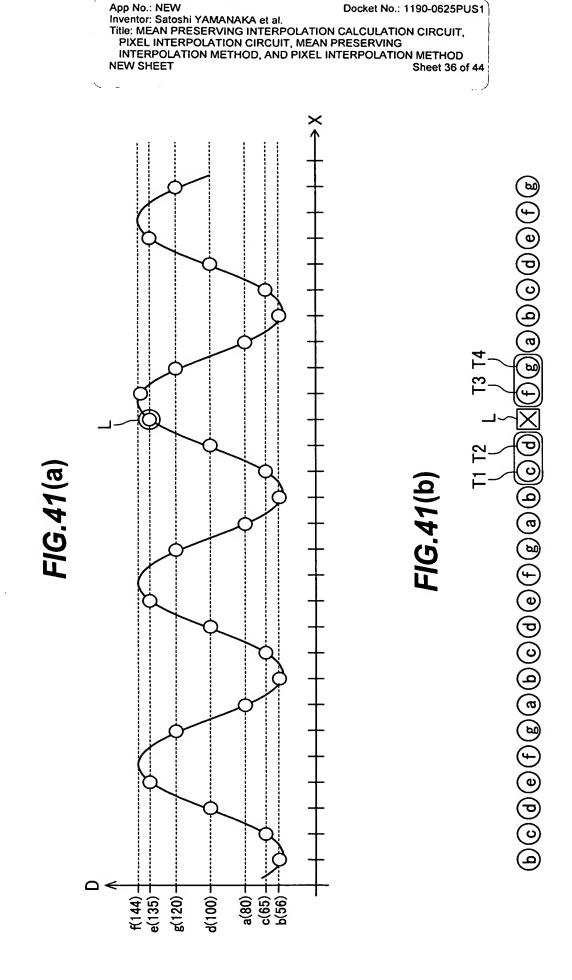
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FIG.39

	T1	T2	ТЗ	T4
МО	0	56	26	30
M1	0	0	0	0
M2	69	69	26	69

**FIG.40** 

S0	112
S1	0
S2	233



App No.: NEW

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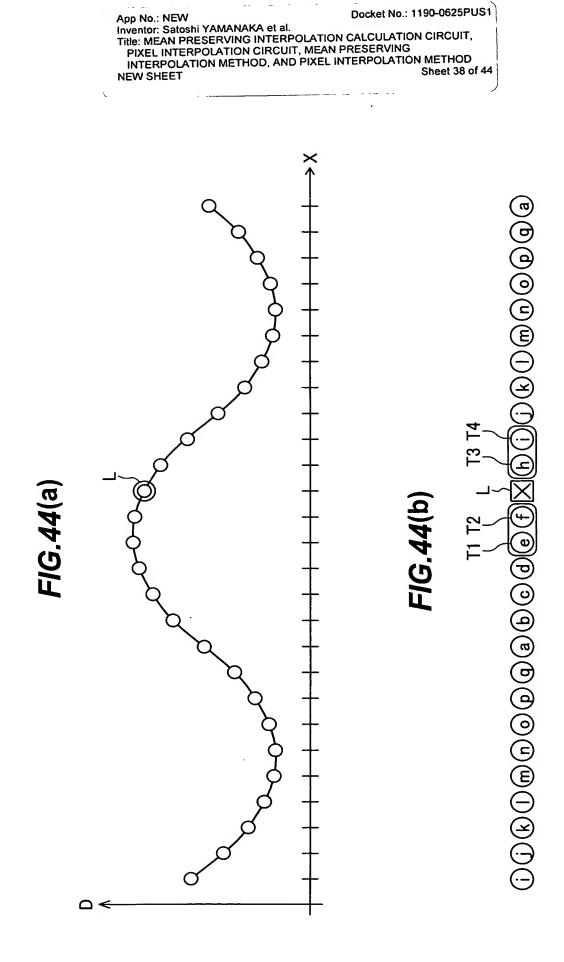
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FIG.42

	T1	T2	Т3	Т4
МО	13	4.5	71	8
M1	143	35	143	35
M2	0	0	0	0

**FIG.43** 

S0	96.5
S1	356
S2	0



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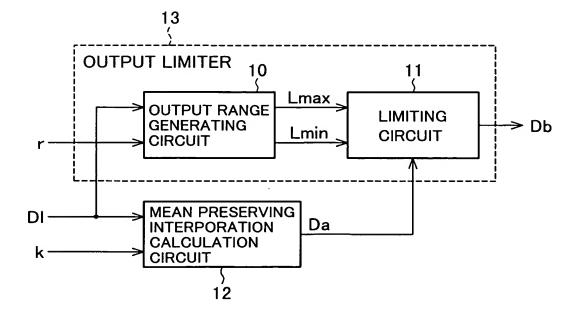
# **FIG.45**

	T1	T2	Т3	Т4
МО	3.5	8.5	1.5	0
M1	91	152	91	152
M2	191	269	86	191

**FIG.46** 

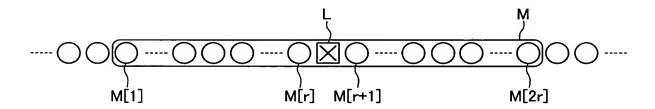
S0	13.5
S1	486
S2	737

**FIG.47** 



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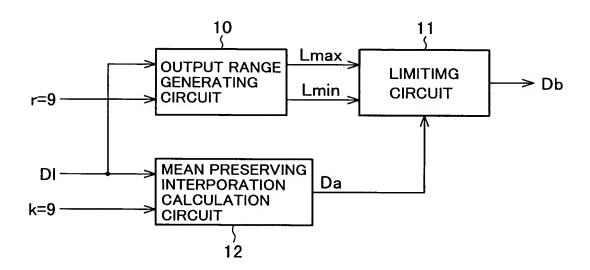
# **FIG.48**



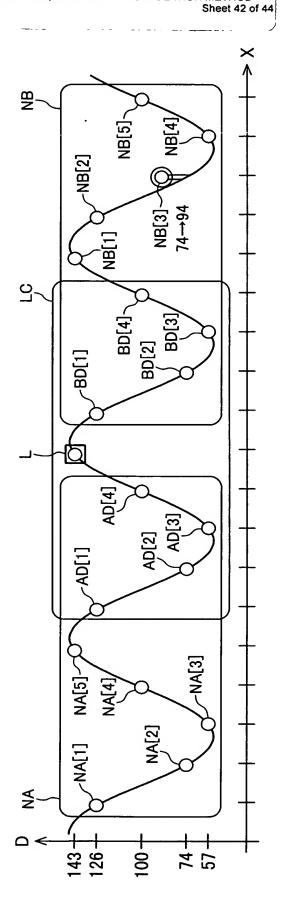
App No.: NEW Docket No.: 1190-0625PUS1
Inventor: Satoshi YAMANAKA et al.
Title: MEAN PRESERVING INTERPOLATION CALCULATION CIRCUIT,
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FIG.49



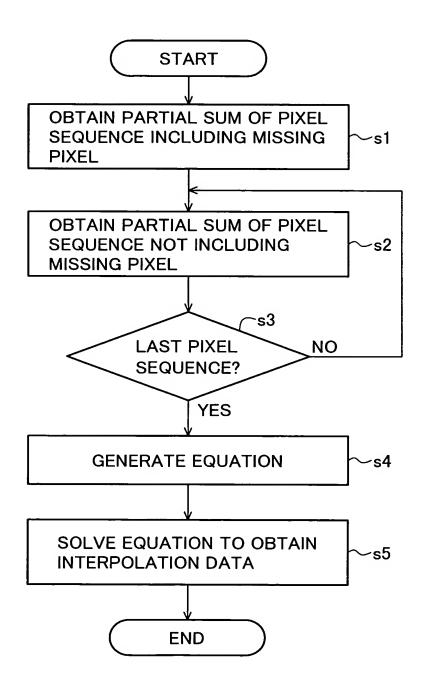




App No.: NEW Docket No.: 1190-0625PUS1 Inventor: Satoshi YAMANAKA et al.

Title: MEAN PRESERVING INTERPOLATION CALCULATION CIRCUIT, PIXEL INTERPOLATION CIRCUIT, MEAN PRESERVING INTERPOLATION METHOD, AND PIXEL INTERPOLATION METHOD NEW SHEET Sheet 43 of 44

FIG.51



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FIG.52

